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Amdt. dated May 7, 2010
Reply to Office Action of November 9, 2009

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1   1.   (Currently amended) A method for messaging with devices in order to

2   ~~determine~~ perform one or more actions ~~to perform,~~ the method comprising:

3   storing action information at a computer system that acts as an intermediary for

4   devices ~~that need~~ to access a set of <u>one or more</u> applications to perform the one or more actions,

5   the <u>stored</u> action information providing an action identifier identifying each action in the one or

6   more actions and a mapping between the action identifier and information specifying how the

7   computer system interacts with <u>at least one application in</u> the set of <u>one or more</u> applications to

8   perform the action corresponding to the action identifier;

9   storing <u>message</u> state information at the computer system that is unique to a

10   message to be sent to a device, the <u>message</u> state information providing a message identifier

11   <u>automatically</u> generated by the computer system to uniquely identify the message <u>to be sent to a</u>

12   <u>device</u> and a mapping <u>between</u> ~~associating at least a portion of the action information with~~ the

13   message identifier <u>automatically</u> generated by the computer system <u>and the stored action</u>

14   <u>information;</u>

15   sending the message to a device using the computer system, the message <u>sent to</u>

16   <u>the device</u> including the message identifier <u>automatically</u> generated by the computer system to

17   uniquely identify the message and one or more action identifiers corresponding to actions

18   represented in the message;

19   receiving a response message from the device at the computer system, the

20   response message including the message identifier of the message ~~that was~~ sent to the device and

21   at least one of the one or more action identifiers for the actions represented in the message

22   sent[[d]] to the device;

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23   retrieving the stored <u>message</u> state information that is unique to the message sent

24   to the device using the computer system to obtain the mapping <u>between</u> ~~associating at least a~~

25   ~~portion of the action information with~~ the message identifier <u>and the stored action information</u>

26   based on the message identifier received in the response message from the device;

27   retrieving ~~stored~~ action information corresponding to an action in the one or more

28   actions using the computer system from the ~~portion of the~~ stored action information ~~associated~~

29   ~~with the message identifier using~~ <u>based on</u> the at least one of the one or more action identifiers

30   for the actions represented in the message sent to the device <u>and the mapping between the</u>

31   <u>message identifier and the stored action information</u>; and

32   performing the action using the <u>retrieved</u> action information.

1   2.   (Original) The method of claim 1, wherein the action information

2   comprises information compatible with a web-based application, wherein the web-based

3   application is used to perform the action.

1   3.   (Original) The method of claim 1, wherein the sent message comprises a

2   text-based message and the response message comprises a text-based message.

1   4.   (Original) The method of claim 1, further comprising sending a result of

2   the performed action to the device.

1   5.   (Previously presented) The method of claim 1, further comprising:

2   determining information indicative of the device based on the response message;

3   and

4   wherein retrieving the stored information associated the message comprises

5   determining the stored information in response to the message identifier and the information

6   indicative of the device.

1   6.   (Previously presented) The method of claim 5, wherein the information

2   indicative of the device comprises at least information specific to the device and information

3   specific to a user associated with the device.

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1   7.   (Previously presented) The method of claim 1, wherein sending the
2 message to the device comprises sending the message to a mobile device.

1   8.   (Currently amended) A method performed by a computer system for
2 messaging with devices in order to ~~determine~~ perform one or more actions ~~to perform~~, the
3 method comprising:

4   ~~generating~~ receiving first information [[with]] at the computer system identifying
5 one or more actions performed by applications accessible to the computer system;

6   storing second information using the computer system that enables the <u>computer</u>
7 <u>system to perform the</u> identified one or more actions ~~to be~~ performed by [[the]] applications in a
8 set of <u>one or more</u> storage devices associated with the computer system;

9   receiving a message identifier at the computer system that uniquely identifies a
10 message to be sent to a device;

11   generating a mapping with the computer system between the message identifier
12 and the <u>first</u> information identifying the one or more actions performed by applications
13 accessible to the computer system;

14   <u>storing third information using the computer system that enables the computer</u>
15 <u>system to maintain a unique state of the message to be sent to the device in a set of one or more</u>
16 <u>storage devices associated with the computer system, the third information including the</u>
17 <u>message identifier and the mapping;</u>

18   sending the message to the device ~~using the computer system~~, the message <u>sent to</u>
19 <u>the device</u> including the message identifier of the message and the <u>first</u> information ~~generated by~~
20 ~~the computer system~~ identifying the one or more actions performed by applications accessible to
21 the computer system;

22   receiving a text message from the device using the computer system, the text
23 message including the message identifier of the message ~~that was sent to the device~~ and
24 information identifying a desired action in the one or more actions performed by applications
25 accessible to the computer system;

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26   retrieving using the computer system the stored third information that includes the

27 unique state of the message sent to the device based on the message identifier of the message;

28   retrieving using the computer system the stored second information from the set

29 of storage devices using the computer system that enables the desired action to be performed by

30 an application based on the mapping in the stored third information between the message

31 identifier and the first information identifying the desired action in the one or more actions; and

32   causing the desired action to be performed by the application using the computer

33 system in response to the stored second information retrieved from the set of storage devices.

1   9.   (Previously presented) The method of claim 8, wherein the second

2 information that enables the identified one or more actions to be performed comprises state

3 information for a web-based application.

1   10.   (Previously presented) The method of claim 9, wherein the state

2 information for the web-based application comprises a URL.

1   11.   (Original) The method of claim 8, wherein the sent message comprises a

2 plain-text message.

1   12.   (Original) The method of claim 8, wherein the text message comprises a

2 plain-text message.

1   13.   (Previously presented) The method of claim 8, further comprising:

2   determining information indicative of the device and a user associated with the

3 device; and

4   wherein retrieving the portion of the stored information comprises determining

5 the stored information in response to the information indicative of the device and the user

6 associated the device.

1   14.   (Original) The method of claim 8, further comprising sending a result of

2 the performed action to the device.

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15.   (Currently amended) An actionable messaging device for generating and processing messages to determine actions to perform, the actionable messaging device comprising:

a processor; and

a memory coupled to the processor and configured to store processor-executable code including:

a message generator configured to generate messages identifying one or more actions, each of the messages <u>generated by the message generator</u> including a message identifier generated by the <u>message generator</u> ~~processor~~ to uniquely identify the message and one or more action identifiers ~~generated by the processor~~ for <u>one or more</u> actions represented in the message;

an information storer configured to store:

action information providing <u>one or more</u> action identifiers identifying one or more actions <u>to be performed by one or more applications</u> and <u>a</u> mapping[[s]] between <u>each of</u> the <u>one or more</u> action identifiers and information specifying how ~~the processor to~~ interact[[s]] with [[the]] <u>a</u> set of applications <u>in the one or more applications</u> to perform an action <u>in the one or more actions</u> corresponding to ~~a particular~~ <u>the</u> action identifier, and

<u>message</u> state information that is unique to <u>each</u> [[a]] message ~~to be~~ <u>generated by the message generator and</u> sent to a device, the <u>message</u> state information <u>for each message providing</u> the message identifier <u>generated by the message generator to uniquely identify</u> [[for]] the message and a mapping <u>between</u> ~~associating a least a portion of the action information with~~ the message identifier <u>and the stored action information</u>;

a receiver configured to receive a response message from a device to which a message was sent, wherein the response message includes a message identifier of the message sent to the device and at least one of a set of action identifiers in the message sent to the device;

an action determiner configured to<u>:</u>

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28   retrieve the stored message state information that is unique to [[a]]

29   the message send to the device based on the message identifier of the message sent to the device

30   in the response message to obtain the mapping in the stored message state information between

31   associating at least a portion of the action information with the message identifier using the

32   message identifier received in the response message from the device, and

33   [[to]] retrieve action information from at least a portion of the

34   stored action information for an action in the one or more actions in response to the at least one

35   of the set of action identifiers received in the response message; and

36   an action performer configured to cause [[the]] at least one application to

37   perform at least one action determined by the action determiner to be performed using the stored

38   action information.

1   16.   (Original) The device of claim 15, wherein the generated message

2   comprises a text message.

1   17.   (Original) The device of claim 15, wherein the response message

2   comprises a text message.

1   18.   (Original) The device of claim 15, wherein the one or more actions

2   comprise web-based actions.

1   19.   (Previously presented) The device of claim 15, wherein the action

2   determiner determines the stored second information using at least the message identifier for the

3   message sent to the device and information specific to the response message.

1   20.   (Previously presented) The device of claim 19, wherein the information

2   specific to the response message comprises information specific to a user.

1   21.   (Currently amended) A system configured to perform actionable

2   messaging, the system comprising:

3   one or more devices;

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4   an application configured to perform <u>one or more</u> actions; and

5   an actionable message device configured to communicate[[ion]] with the one or

6   more devices and the application, the actionable messaging device comprising[[:]] <u>at least one</u>

7   processor[[;]] and <u>at least one</u> memory coupled to the <u>at least one</u> processor and configured to

8   store processor executable code including:

9   a message generator configured to generate messages identifying one or

10   more actions, each <s>of the</s> message[[s]] <u>generated by the message generator</u> including a message

11   identifier generated by the <u>message generator</u> <s>processor</s> to uniquely identify the message and one

12   or more action identifiers for actions represented in the message;

13   an information storer configured to store:

14   action information providing <u>one or more</u> action identifiers

15   identifying one or more actions <u>to be performed by the application</u> and <u>a</u> mapping[[s]] between

16   <u>each of</u> the <u>one or more</u> action identifiers and information specifying how <s>the processor</s> to

17   interact[[s]] with the <s>set of</s> application[[s]] to perform an action <u>in the one or more actions</u>

18   corresponding to <s>a particular</s> <u>the</u> action identifier, and

19   <u>message</u> state information that is unique to <u>each</u> [[a]] message <s>to</s>

20   <s>be</s> <u>generated by the message generator and</u> sent to a device, the <u>message</u> state information <u>for</u>

21   <u>each message providing</u> the message identifier <u>generated by the message generator to uniquely</u>

22   <u>identify</u> [[for]] the message and a mapping <u>between</u> <s>associating a least a portion of the action</s>

23   <s>information with</s> the message identifier <u>and the stored action information;</u>

24   a receiver configured to receive a response message from a device

25   to which a message was sent, wherein the response message includes a message identifier of the

26   message sent to the device and at least one of a set of action identifiers in the message sent to the

27   device;

28   an action determiner configured to<u>:</u>

29   retrieve <u>the</u> stored <u>message</u> state information that is unique

30   to [[a]] <u>the</u> message send to the device <u>based on the message identifier of the message sent to the</u>

31   <u>device in the response message</u> to obtain the mapping <u>in the stored message state information</u>

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32   between ~~associating at least a portion of the action information with~~ the message identifier ~~using~~
33   ~~the message identifier received in the response message from the device,~~ and
34   [[to]] retrieve action information from ~~at least a portion of~~
35   the stored action information for an action in the one or more actions in response to the at least
36   one of the set of action identifiers received in the response message; and
37   an action performer configured to cause the application to perform
38   [[the]] <u>at least one</u> action <u>determined by the action determiner</u> using <u>the stored</u> action
39   information.

1   22.   (Original) The system of claim 21, wherein the one or more devices
2   comprise mobile devices.

1   23.   (Original) The system of claim 22, wherein the mobile devices are
2   configured to receive messages exclusive of web-based messages.

1   24.   (Original) The system of claim 22, wherein the mobile devices are
2   configured to send messages exclusive of web-based messages.

1   25.   (Original) The system of claim 21, wherein the application comprises a
2   web-based application.

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